

Coverity Support for OWASP Top 10 (2017)

C/C++

Coverity Version 2021.03 - C/C++			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	CERT STR02-C, HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	91	XML Injection (aka Blind XPath Injection)	XPATH_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI, XPATH_INJECTION
	1027	Injection	URL_MANIPULATION
A2: Broken Authentication	287	Improper Authentication	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA, WEAK_GUARD
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	522	Insufficiently Protected Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	523	Unprotected Transport of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1028	Broken Authentication	WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure (cont. on next page)	311	Missing Encryption of Sensitive Data	CERT MSC18-C, HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	319	Cleartext Transmission of Sensitive Information	CERT MSC18-C, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	RISKY_CRYPTO

A3: Sensitive Data Exposure (cont.)	327	Use of a Broken or Risky Cryptographic Algorithm	RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	AUTOSAR C++14 A20-8-2, AUTOSAR C++14 A20-8-3, AUTOSAR C++14 A20-8-4, AUTOSAR C++14 A20-8-7, CERT POS37-C, HARDCODED_CREDENTIALS, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, UNENCRYPTED_SENSITIVE_DATA, WEAK_GUARD
	285	Improper Authorization	SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI
	1031	Broken Access Control	URL_MANIPULATION
A6: Security Misconfiguration	16	Configuration	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	209	Generation of Error Message Containing Sensitive Information	AUTOSAR C++14 A15-3-3, MISRA C++-2008 Rule 15-3-2, SENSITIVE_DATA_LEAK, UNCAUGHT_EXCEPT

C#

Coverity Version 2021.03 - C#			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI, SQL_NOT_CONSTANT
	90	Improper Neutralization of Special Elements used in an LDAP Query ('LDAP Injection')	LDAP_INJECTION, LDAP_NOT_CONSTANT
	91	XML Injection (aka Blind XPath Injection)	XML_INJECTION, XPATH_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	LDAP_INJECTION, LDAP_NOT_CONSTANT, SQLI, SQL_NOT_CONSTANT, XPATH_INJECTION
	1027	Injection	NOSQL_QUERY_INJECTION, REGEX_INJECTION, SCRIPT_CODE_INJECTION, UNKNOWN_LANGUAGE_INJECTION

A2: Broken Authentication	287	Improper Authentication	CONFIG.CONNECTION_STRING_PASSWORD, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, MISSING_AUTHZ, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	522	Insufficiently Protected Credentials	CONFIG.CONNECTION_STRING_PASSWORD, CONFIG.HARDCODED_CREDENTIALS_AUDIT, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	523	Unprotected Transport of Credentials	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1028	Broken Authentication	CONFIG.ASP_VIEWSTATE_MAC, INSECURE_COOKIE, WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure	311	Missing Encryption of Sensitive Data	HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, INSECURE_COOKIE, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	319	Cleartext Transmission of Sensitive Information	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1029	Sensitive Data Exposure	ASPNET_MVC_VERSION_HEADER, CONFIG.ASPNET_VERSION_HEADER, CONFIG.COOKIE_MISSING_HTTPONLY, CONFIG.DYNAMIC_DATA_HTML_COMMENT, CONFIG.ENABLED_DEBUG_MODE, CONFIG.ENABLED_TRACE_MODE

A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
	776	Improper Restriction of Recursive Entity References in DTDs ('XML Entity Expansion')	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	CONFIG.CONNECTION_STRING_PASSWORD, CONFIG.DEAD_AUTHORIZATION_RULE, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, INSECURE_COOKIE, MISSING_AUTHZ, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, SQL_NOT_CONSTANT, UNENCRYPTED_SENSITIVE_DATA
	285	Improper Authorization	CONFIG.DEAD_AUTHORIZATION_RULE, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, INSECURE_COOKIE, MISSING_AUTHZ, SQLI, SQL_NOT_CONSTANT
	639	Authorization Bypass Through User-Controlled Key	SQLI, SQL_NOT_CONSTANT
A6: Security Misconfiguration	16	Configuration	CONFIG.ASPNET_VERSION_HEADER, CONFIG.ASP_VIEWSTATE_MAC, CONFIG.CONNECTION_STRING_PASSWORD, CONFIG.COOKIE_MISSING_HTTPONLY, CONFIG.DEAD_AUTHORIZATION_RULE, CONFIG.ENABLED_DEBUG_MODE, CONFIG.ENABLED_TRACE_MODE, CONFIG.MISSING_CUSTOM_ERROR_PAGE, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
A7: Cross Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	UNSAFE_DESERIALIZATION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	UNLOGGED_SECURITY_EXCEPTION
	778	Insufficient Logging	UNLOGGED_SECURITY_EXCEPTION

CUDA

Coverity Version 2021.03 - CUDA			
Category	CWE	Description	Coverity Checker
A1: Injection (cont. on next page)	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	CERT STR02-C, HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
A1: Injection (cont.)	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	91	XML Injection (aka Blind XPath Injection)	XPATH_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI, XPATH_INJECTION
	1027	Injection	URL_MANIPULATION
A2: Broken Authentication	287	Improper Authentication	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA, WEAK_GUARD
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	522	Insufficiently Protected Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	523	Unprotected Transport of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1028	Broken Authentication	WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure	311	Missing Encryption of Sensitive Data	CERT MSC18-C, HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	319	Cleartext Transmission of Sensitive Information	CERT MSC18-C, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA

A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	AUTOSAR C++14 A20-8-2, AUTOSAR C++14 A20-8-3, AUTOSAR C++14 A20-8-4, AUTOSAR C++14 A20-8-7, CERT POS37-C, HARDCODED_CREDENTIALS, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, UNENCRYPTED_SENSITIVE_DATA, WEAK_GUARD
	285	Improper Authorization	SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI
	1031	Broken Access Control	URL_MANIPULATION
A6: Security Misconfiguration	16	Configuration	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	209	Generation of Error Message Containing Sensitive Information	AUTOSAR C++14 A15-3-3, MISRA C++-2008 Rule 15-3-2, SENSITIVE_DATA_LEAK, UNCAUGHT_EXCEPT

Go

Coverity Version 2021.03 - Go			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION, TAINTED_ENVIRONMENT_WITH_EXECUTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION, TAINTED_ENVIRONMENT_WITH_EXECUTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	91	XML Injection (aka Blind XPath Injection)	XPATH_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI, XPATH_INJECTION
	1027	Injection	NOSQL_QUERY_INJECTION, URL_MANIPULATION
A2: Broken Authentication	287	Improper Authentication	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNSAFE_BASIC_AUTH
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK
	522	Insufficiently Protected Credentials	SENSITIVE_DATA_LEAK, UNSAFE_BASIC_AUTH
	523	Unprotected Transport of Credentials	SENSITIVE_DATA_LEAK

A3: Sensitive Data Exposure	295	Improper Certificate Validation	BAD_CERT_VERIFICATION
	311	Missing Encryption of Sensitive Data	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNSAFE_BASIC_AUTH
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK
	319	Cleartext Transmission of Sensitive Information	SENSITIVE_DATA_LEAK, UNSAFE_BASIC_AUTH
	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	RISKY_CRYPTO
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK, UNSAFE_BASIC_AUTH
A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
	776	Improper Restriction of Recursive Entity References in DTDs ('XML Entity Expansion')	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	BAD_CERT_VERIFICATION, HARDCODED_CREDENTIALS, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, UNSAFE_BASIC_AUTH
	285	Improper Authorization	SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI
	1031	Broken Access Control	URL_MANIPULATION
A6: Security Misconfiguration	16	Configuration	SENSITIVE_DATA_LEAK
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	DISTRUSTED_DATA_DESERIALIZATION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	INSUFFICIENT_LOGGING
	778	Insufficient Logging	INSUFFICIENT_LOGGING

Java

Coverity Version 2021.03 -Java			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	CERT_IDS07-J, EL_INJECTION, HEADER_INJECTION, MISSING_HEADER_VALIDATION, OS_CMD_INJECTION, TAINTED_ENVIRONMENT_WITH_EXECUTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	CERT_IDS07-J, OS_CMD_INJECTION, TAINTED_ENVIRONMENT_WITH_EXECUTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, MISSING_HEADER_VALIDATION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	CONFIG.MYBATIS_MAPPER_SQLI, JSP_SQL_INJECTION, SQLI, SQL_NOT_CONSTANT
	90	Improper Neutralization of Special Elements used in an LDAP Query ('LDAP Injection')	LDAP_INJECTION, LDAP_NOT_CONSTANT
	91	XML Injection (aka Blind XPath Injection)	WEAK_XML_SCHEMA, XML_INJECTION, XPATH_INJECTION
	564	SQL Injection: Hibernate	CONFIG.MYBATIS_MAPPER_SQLI, JSP_SQL_INJECTION, SQLI, SQL_NOT_CONSTANT
	917	Improper Neutralization of Special Elements used in an Expression Language Statement ('Expression Language Injection')	EL_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	CONFIG.MYBATIS_MAPPER_SQLI, JSP_SQL_INJECTION, LDAP_INJECTION, LDAP_NOT_CONSTANT, SQLI, SQL_NOT_CONSTANT, XPATH_INJECTION
	1027	Injection	JAVA_CODE_INJECTION, JCR_INJECTION, JSP_DYNAMIC_INCLUDE, NOSQL_QUERY_INJECTION, OGNL_INJECTION, REGEX_INJECTION, SCRIPT_CODE_INJECTION, UNKNOWN_LANGUAGE_INJECTION, UNSAFE_JNI, UNSAFE_REFLECTION, URL_MANIPULATION

A2: Broken Authentication	287	Improper Authentication	CERT MSC03-J, CERT SEC02-J, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CONFIG.MISSING_JSF2_SECURITY_CONSTRAINT, CONFIG.SPRING_BOOT_ADMIN_ACCESS_ENABLED, CONFIG.SPRING_BOOT_SSL_DISABLED, CONFIG.SPRING_SECURITY_HARDCODED_CREDENTIALS, CONFIG.SPRING_SECURITY_REMEMBER_ME_HARDCODED_KEY, CONFIG.SPRING_SECURITY_SESSION_FIXATION, CONFIG.SPRING_SECURITY_WEAK_PASSWORD_HASH, CONFIG.WEAK_SECURITY_CONSTRAINT, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, MISSING_AUTHZ, SENSITIVE_DATA_LEAK, SESSION_FIXATION, UNENCRYPTED_SENSITIVE_DATA, WEAK_GUARD, WEAK_URL_SANITIZATION
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	384	Session Fixation	CONFIG.SPRING_SECURITY_SESSION_FIXATION, SESSION_FIXATION
	522	Insufficiently Protected Credentials	CONFIG.HARDCODED_CREDENTIALS_AUDIT, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	523	Unprotected Transport of Credentials	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	613	Insufficient Session Expiration	CONFIG.UNSAFE_SESSION_TIMEOUT
	1028	Broken Authentication	CONFIG.SPRING_SECURITY_EXPOSED_SESSIONID, CONFIG.SPRING_SECURITY_LOGIN_OVER_HTTP, CONFIG.SPRING_SECURITY_UNSAFE_AUTHENTICATION_FILTER, DISABLED_ENCRYPTION, INSECURE_COOKIE, INSECURE_REMEMBER_ME_COOKIE, JSP_DYNAMIC_INCLUDE, VERBOSE_ERROR_REPORTING, WEAK_PASSWORD_HASH

A3: Sensitive Data Exposure	295	Improper Certificate Validation	BAD_CERT_VERIFICATION, CONFIG.SPRING_BOOT_SSL_DISABLED
	311	Missing Encryption of Sensitive Data	CONFIG.SPRING_BOOT_SSL_DISABLED, CONFIG.SPRING_SECURITY_LOGIN_OVER_HTTP_DISABLED_ENCRYPTION, HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, INSECURE_COOKIE, INSECURE_REMEMBER_ME_COOKIE, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	319	Cleartext Transmission of Sensitive Information	CONFIG.SPRING_SECURITY_LOGIN_OVER_HTTP_DISABLED_ENCRYPTION, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	CONFIG.SPRING_SECURITY_WEAK_PASSWORD_HASH, RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	CONFIG.SPRING_SECURITY_WEAK_PASSWORD_HASH, RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	CONFIG.SPRING_BOOT_SSL_DISABLED, CONFIG.SPRING_SECURITY_EXPOSED_SESSIONID, CONFIG.SPRING_SECURITY_LOGIN_OVER_HTTP, CONFIG.SPRING_SECURITY_UNSAFE_AUTHENTICATION_FILTER, CORS_MISCONFIGURATION_AUDIT, DISABLED_ENCRYPTION, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA, VERBOSE_ERROR_REPORTING
	1029	Sensitive Data Exposure	CONFIG.DWR_DEBUG_MODE, CONFIG.DYNAMIC_DATA_HTML_COMMENT, CONFIG.JAVAAE_MISSING_HTTPONLY, CONFIG.SPRING_SECURITY_DEBUG_MODE
A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
	776	Improper Restriction of Recursive Entity References in DTDs ('XML Entity Expansion')	XML_EXTERNAL_ENTITY

A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	JSP_DYNAMIC_INCLUDE, PATH_MANIPULATION
(cont. on next page)	284	Improper Access Control	ANDROID_CAPABILITY_LEAK, ANDROID_WEBVIEW_FILEACCESS, BAD_CERT_VERIFICATION, CERT_ENV03-J, CERT_MSC03-J, CERT_SEC01-J, CERT_SEC02-J, CERT_SEC06-J, CERT_SER08-J, CONFIG.DWR_DEBUG_MODE, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CONFIG.JAVAAE_MISSING_SERVLET_MAPPING, CONFIG.MISSING_JSF2_SECURITY_CONSTRAINT, CONFIG.MYBATIS_MAPPER_SQLI, CONFIG.SPRING_BOOT_ADMIN_ACCESS_ENABLED, CONFIG.SPRING_BOOT_SSL_DISABLED, CONFIG.SPRING_SECURITY_DISABLE_AUTH_TAGS, CONFIG.SPRING_SECURITY_HARDCODED_CREDENTIALS, CONFIG.SPRING_SECURITY_REMEMBER_ME_HARDCODED_KEY, CONFIG.SPRING_SECURITY_SESSION_FIXATION, CONFIG.SPRING_SECURITY_WEAK_PASSWORD_HASH, CONFIG.STRUTS2_CONFIG_BROWSER_PLUGIN, CONFIG.STRUTS2_DYNAMIC_METHOD_INVOCATION, CONFIG.STRUTS2_ENABLED_DEV_MODE, CONFIG.UNSAFE_SESSION_TIMEOUT, CONFIG.WEAK_SECURITY_CONSTRAINT, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HARDCODED_CREDENTIALS, IMPLICIT_INTENT, INSECURE_COMMUNICATION, INSECURE_REMEMBER_ME_COOKIE, JSP_SQL_INJECTION, MISSING_AUTHZ, MISSING_PERMISSION_FOR_BROADCAST, MISSING_PERMISSION_ON_EXPORTED_COMPONENT, RISKY_CRYPT0, SENSITIVE_DATA_LEAK, SESSION_FIXATION, SQLI, SQL_NOT_CONSTANT, UNENCRYPTED_SENSITIVE_DATA, WEAK_GUARD, WEAK_URL_SANITIZATION

A5: Broken Access Control (cont.)	285	Improper Authorization	ANDROID_CAPABILITY_LEAK, CERT_ENV03-J, CONFIG. DWR_DEBUG_MODE, CONFIG. JAVAEE_MISSING_SERVLET_ MAPPING, CONFIG.MISSING_ JSF2_SECURITY_CONSTRAINT, CONFIG.MYBATIS_MAPPER_SQLI, CONFIG.SPRING_BOOT_SSL_ DISABLED, CONFIG.SPRING_ SECURITY_DISABLE_AUTH_TAGS, CONFIG.STRUTS2_CONFIG_ BROWSER_PLUGIN, CONFIG. STRUTS2_DYNAMIC_METHOD_ INVOCATION, CONFIG.STRUTS2_ ENABLED_DEV_MODE, CONFIG. WEAK_SECURITY_CONSTRAINT, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_ AUDIT, IMPLICIT_INTENT, JSP_SQL_INJECTION, MISSING_AUTHZ, MISSING_ PERMISSION_FOR_BROADCAST, MISSING_PERMISSION_ON_ EXPORTED_COMPONENT, SENSITIVE_DATA_LEAK, SQLI, SQL_NOT_CONSTANT
	425	Direct Request ('Forced Browsing')	CONFIG.MISSING_JSF2_ SECURITY_CONSTRAINT
	639	Authorization Bypass Through User-Controlled Key	CONFIG.MYBATIS_MAPPER_SQLI, JSP_SQL_INJECTION, SQLI, SQL_ NOT_CONSTANT
	1031	Broken Access Control	URL_MANIPULATION

A6: Security Misconfiguration	16	Configuration	CONFIG.DUPLICATE_SERVLET_DEFINITION, CONFIG.DWR_DEBUG_MODE, CONFIG.HTTP_VERB_TAMPERING, CONFIG.JAVAAE_MISSING_HTTPONLY, CONFIG.MISSING_GLOBAL_EXCEPTION_HANDLER, CONFIG.MISSING_JSF2_SECURITY_CONSTRAINT, CONFIG.SPRING_SECURITY_DEBUG_MODE, CONFIG.SPRING_SECURITY_DISABLE_AUTH_TAGS, CONFIG.SPRING_SECURITY_HARDCODED_CREDENTIALS, CONFIG.SPRING_SECURITY_LOGIN_OVER_HTTP, CONFIG.SPRING_SECURITY_REMEMBER_ME_HARDCODED_KEY, CONFIG.SPRING_SECURITY_SESSION_FIXATION, CONFIG.STRUTS2_CONFIG_BROWSER_PLUGIN, CONFIG.STRUTS2_DYNAMIC_METHOD_INVOCATION, CONFIG.STRUTS2_ENABLED_DEV_MODE, CONFIG.UNSAFE_SESSION_TIMEOUT, INSECURE_COMMUNICATION, INSECURE_HTTP_FIREWALL, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK, VERBOSE_ERROR_REPORTING
	1032	Security Misconfiguration	CONFIG.ANDROID_OUTDATED_TARGETSDKVERSION
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	CONFIG.SPRING_SECURITY_DEPRECATED_XSS_HEADER, XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	CERT SER01-J, UNSAFE_DESERIALIZATION
A9: Using Components with Known Vulnerabilities	1035	Using Components With Known Vulnerabilities	CONFIG.ANDROID_UNSAFE_MINSDKVERSION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	UNLOGGED_SECURITY_EXCEPTION
	778	Insufficient Logging	UNLOGGED_SECURITY_EXCEPTION

JavaScript

Coverity Version 2021.03 - JavaScript			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION, TAINTED_ENVIRONMENT_WITH_EXECUTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION, TAINTED_ENVIRONMENT_WITH_EXECUTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI
	1027	Injection	ANGULAR_EXPRESSION_INJECTION, NOSQL_QUERY_INJECTION, REGEX_INJECTION, SCRIPT_CODE_INJECTION, URL_MANIPULATION
A2: Broken Authentication (cont. on next page)	287	Improper Authentication	AWS_SSL_DISABLED, AWS_VALIDATION_DISABLED, CONFIG.COOKIE_SIGNING_DISABLED, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CONFIG.HARDCODED_TOKEN, CONFIG.SEQUELIZE_INSECURE_CONNECTION, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HARDCODED_CREDENTIALS, HPKP_MISCONFIGURATION, INSECURE_COMMUNICATION, MISSING_AUTHZ, MULTER_MISCONFIGURATION, SENSITIVE_DATA_LEAK, UNLESS_CASE_SENSITIVE_ROUTE_MATCHING, WEAK_URL_SANITIZATION
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK
	522	Insufficiently Protected Credentials	AWS_SSL_DISABLED, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CONFIG.HARDCODED_TOKEN, CONFIG.SEQUELIZE_INSECURE_CONNECTION, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK
	523	Unprotected Transport of Credentials	AWS_SSL_DISABLED, CONFIG.SEQUELIZE_INSECURE_CONNECTION, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK

A2: Broken Authentication (cont.)	613	Insufficient Session Expiration	CONFIG.JSONWEBTOKEN_NON_EXPIRING_TOKEN, CONFIG.UNSAFE_SESSION_TIMEOUT, CORS_MISCONFIGURATION_AUDIT, HPKP_MISCONFIGURATION, INSUFFICIENT_PRESIGNED_URL_TIMEOUT, JSONWEBTOKEN_IGNORED_EXPIRATION_TIME, TEMPORARY_CREDENTIALS_DURATION
	1028	Broken Authentication	INSECURE_ACL, INSECURE_COOKIE, INSECURE_REFERRER_POLICY, REVERSE_TABNABBING, UNSAFE_BUFFER_METHOD
A3: Sensitive Data Exposure	295	Improper Certificate Validation	AWS_VALIDATION_DISABLED, BAD_CERT_VERIFICATION, CONFIG.MYSQL_SSL_VERIFY_DISABLED, CONFIG.REQUEST_STRICTSSL_DISABLED, HPKP_MISCONFIGURATION
	311	Missing Encryption of Sensitive Data	AWS_SSL_DISABLED, CONFIG.SEQUELIZE_INSECURE_CONNECTION, HAPI_SESSION_MONGO_MISSING_TLS, INSECURE_COMMUNICATION, INSECURE_COOKIE, SENSITIVE_DATA_LEAK
	312	Cleartext Storage of Sensitive Information	SENSITIVE_DATA_LEAK
	319	Cleartext Transmission of Sensitive Information	AWS_SSL_DISABLED, CONFIG.SEQUELIZE_INSECURE_CONNECTION, HAPI_SESSION_MONGO_MISSING_TLS, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK
	326	Inadequate Encryption Strength	RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	INSECURE_SALT, RISKY_CRYPTO, SA.RISKY_CRYPTO
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	AWS_SSL_DISABLED, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HPKP_MISCONFIGURATION, INSECURE_ACL, INSECURE_COMMUNICATION, INSECURE_REFERRER_POLICY, REVERSE_TABNABBING, SENSITIVE_DATA_LEAK, UNSAFE_BUFFER_METHOD
	1029	Sensitive Data Exposure	CONFIG.ENABLED_DEBUG_MODE, CONFIG.SEQUELIZE_ENABLED_LOGGING, CONFIG.VUE_ROUTER_PARAMS_EXPOSED_TO_PROPS, EXPOSED_DIRECTORY_LISTING, EXPRESS_X_POWERED_BY_ENABLED, INSECURE_COOKIE

A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
	776	Improper Restriction of Recursive Entity References in DTDs ('XML Entity Expansion')	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	BUSBOY_MISCONFIGURATION, FILE_UPLOAD_MISCONFIGURATION, MULTER_MISCONFIGURATION, PATH_MANIPULATION
	284	Improper Access Control	AWS_SSL_DISABLED, AWS_VALIDATION_DISABLED, BAD_CERT_VERIFICATION, CONFIG.COOKIE_SIGNING_DISABLED, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CONFIG.HARDCODED_TOKEN, CONFIG.REQUEST_STRICTSSL_DISABLED, CONFIG.SEQUELIZE_INSECURE_CONNECTION, CONFIG.UNSAFE_SESSION_TIMEOUT, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HARDCODED_CREDENTIALS, HPKP_MISCONFIGURATION, INSECURE_ACL, INSECURE_COMMUNICATION, INSECURE_COOKIE, INSUFFICIENT_PREIGNED_URL_TIMEOUT, MISSING_AUTHZ, MULTER_MISCONFIGURATION, RISKY_CRYPT, SA.RISKY_CRYPT, SENSITIVE_DATA_LEAK, SQLI, TEMPORARY_CREDENTIALS_DURATION, UNCHECKED_ORIGIN, UNLESS_CASE_SENSITIVE_ROUTE_MATCHING, WEAK_URL_SANITIZATION
	285	Improper Authorization	AWS_VALIDATION_DISABLED, CONFIG.COOKIE_SIGNING_DISABLED, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, HPKP_MISCONFIGURATION, INSECURE_ACL, INSECURE_COOKIE, MISSING_AUTHZ, SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI
	1031	Broken Access Control	URL_MANIPULATION

A6: Security Misconfiguration	16	Configuration	CONFIG.ENABLED_DEBUG_MODE, CONFIG.HANA_XS_PREVENT_XSRF_DISABLED, CONFIG.MISSING_GLOBAL_EXCEPTION_HANDLER, CONFIG.UNSAFE_SESSION_TIMEOUT, CORS.MISCONFIGURATION_AUDIT, HPKP_MISCONFIGURATION, INSUFFICIENT_PRESIGNED_URL_TIMEOUT, SENSITIVE_DATA_LEAK, TEMPORARY_CREDENTIALS_DURATION
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
	548	Exposure of Information Through Directory Listing	EXPOSED_DIRECTORY_LISTING
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	ANGULAR_BYPASS_SECURITY, ANGULAR_ELEMENT_REFERENCE, ANGULAR_SCE_DISABLED, DOM_XSS, REACT_DANGEROUS_INNERHTML, VUE_TEMPLATE_UNSAFE_VHTML_DIRECTIVE, XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	UNSAFE_DESERIALIZATION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	INSUFFICIENT_LOGGING
	778	Insufficient Logging	INSUFFICIENT_LOGGING

Kotlin

Coverity Version 2021.03 - Kotlin			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	91	XML Injection (aka Blind XPath Injection)	XPATH_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI, XPATH_INJECTION
	1027	Injection	REGEX_INJECTION, UNSAFE_JNI, URL_MANIPULATION
A2: Broken Authentication (cont. on next page)	287	Improper Authentication	HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	522	Insufficiently Protected Credentials	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA

A2: Broken Authentication (cont.)	523	Unprotected Transport of Credentials	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1028	Broken Authentication	WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure	295	Improper Certificate Validation	BAD_CERT_VERIFICATION
	311	Missing Encryption of Sensitive Data	HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	319	Cleartext Transmission of Sensitive Information	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
	776	Improper Restriction of Recursive Entity References in DTDs ('XML Entity Expansion')	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	ANDROID_CAPABILITY_LEAK, BAD_CERT_VERIFICATION, HARDCODED_CREDENTIALS, IMPLICIT_INTENT, INSECURE_COMMUNICATION, MISSING_PERMISSION_FOR_BROADCAST, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, UNENCRYPTED_SENSITIVE_DATA
	285	Improper Authorization	ANDROID_CAPABILITY_LEAK, IMPLICIT_INTENT, MISSING_PERMISSION_FOR_BROADCAST, SENSITIVE_DATA_LEAK, SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI
	1031	Broken Access Control	URL_MANIPULATION
A6: Security Misconfiguration	16	Configuration	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
	1032	Security Misconfiguration	CONFIG.ANDROID_OUTDATED_TARGETSDKVERSION
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	UNSAFE_DESERIALIZATION

A9: Using Components with Known Vulnerabilities	1035	Using Components With Known Vulnerabilities	CONFIG.ANDROID_UNSAFE_MINSDKVERSION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	UNLOGGED_SECURITY_EXCEPTION
	778	Insufficient Logging	UNLOGGED_SECURITY_EXCEPTION

PHP

Coverity Version 2021.03 - PHP			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI
	1027	Injection	NOSQL_QUERY_INJECTION, SCRIPT_CODE_INJECTION, SYMFONY_EL_INJECTION, UNSAFE_REFLECTION
A2: Broken Authentication	287	Improper Authentication	HARDCODED_CREDENTIALS, MISSING_AUTHZ, SENSITIVE_DATA_LEAK
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK
	522	Insufficiently Protected Credentials	SENSITIVE_DATA_LEAK
	523	Unprotected Transport of Credentials	SENSITIVE_DATA_LEAK
A3: Sensitive Data Exposure	311	Missing Encryption of Sensitive Data	SENSITIVE_DATA_LEAK
	312	Cleartext Storage of Sensitive Information	SENSITIVE_DATA_LEAK
	319	Cleartext Transmission of Sensitive Information	SENSITIVE_DATA_LEAK
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK
A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	HARDCODED_CREDENTIALS, MISSING_AUTHZ, SENSITIVE_DATA_LEAK, SQLI
	285	Improper Authorization	MISSING_AUTHZ, SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI

A6: Security Misconfiguration	16	Configuration	CONFIG.SYMFONY_CSRF_PROTECTION_DISABLED, SENSITIVE_DATA_LEAK
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	UNSAFE_DESERIALIZATION

Python

Coverity Version 2021.03 - Python			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI
	943	Improper Neutralization of Special Elements in Data Query Logic	SQLI
	1027	Injection	NOSQL_QUERY_INJECTION, REGEX_INJECTION, SCRIPT_CODE_INJECTION, URL_MANIPULATION
A2: Broken Authentication	287	Improper Authentication	ANONYMOUS_DB_CONNECTION, HARDCODED_CREDENTIALS, HOST_HEADER_VALIDATION_DISABLED, MISSING_AUTHZ, MISSING_PASSWORD_VALIDATOR, SENSITIVE_DATA_LEAK, WEAK_URL_SANITIZATION
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK
	522	Insufficiently Protected Credentials	SENSITIVE_DATA_LEAK
	523	Unprotected Transport of Credentials	SENSITIVE_DATA_LEAK
	1028	Broken Authentication	INSECURE_COMMUNICATION, INSECURE_COOKIE, INSECURE_NETWORK_BIND, INSECURE_REFERRER_POLICY, SECURE_TEMP, WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure (cont. on next page)	295	Improper Certificate Validation	BAD_CERT_VERIFICATION
	311	Missing Encryption of Sensitive Data	INSECURE_COMMUNICATION, INSECURE_COOKIE, SENSITIVE_DATA_LEAK
	312	Cleartext Storage of Sensitive Information	SENSITIVE_DATA_LEAK
	319	Cleartext Transmission of Sensitive Information	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK
	326	Inadequate Encryption Strength	RISKY_CRYPTO

A3: Sensitive Data Exposure (cont.)	327	Use of a Broken or Risky Cryptographic Algorithm	INSECURE_SALT, RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	INSECURE_COMMUNICATION, INSECURE_NETWORK_BIND, INSECURE_REFERRER_POLICY, SECURE_TEMP, SENSITIVE_DATA_LEAK
	1029	Sensitive Data Exposure	CONFIG.ENABLED_DEBUG_MODE
A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	ANONYMOUS_DB_CONNECTION, BAD_CERT_VERIFICATION, HARDCODED_CREDENTIALS, HOST_HEADER_VALIDATION_DISABLED, INSECURE_COOKIE, MISSING_AUTHZ, MISSING_PASSWORD_VALIDATOR, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, WEAK_URL_SANITIZATION
	285	Improper Authorization	ANONYMOUS_DB_CONNECTION, INSECURE_COOKIE, MISSING_AUTHZ, SQLI
	639	Authorization Bypass Through User-Controlled Key	SQLI
	1031	Broken Access Control	URL_MANIPULATION
A6: Security Misconfiguration	16	Configuration	CONFIG.ENABLED_DEBUG_MODE, SENSITIVE_DATA_LEAK
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	JINJA2_AUTOESCAPE_DISABLED, XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	UNSAFE_DESERIALIZATION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	INSUFFICIENT_LOGGING
	778	Insufficient Logging	INSUFFICIENT_LOGGING

Ruby

Coverity Version 2021.03 - Ruby			
Category	CWE	Description	Coverity Checker
A1: Injection (cont. on next page)	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	DYNAMIC_OBJECT_ATTRIBUTES, RUBY_VULNERABLE_LIBRARY, SQLI

A1: Injection (cont.)	943	Improper Neutralization of Special Elements in Data Query Logic	DYNAMIC_OBJECT_ATTRIBUTES, RUBY_VULNERABLE_LIBRARY, SQLI
	1027	Injection	REGEX_INJECTION, SCRIPT_CODE_INJECTION, UNSAFE_REFLECTION
A2: Broken Authentication	287	Improper Authentication	HARDCODED_CREDENTIALS, RAILS_DEVISE_CONFIG, RUBY_VULNERABLE_LIBRARY, STRICT_TRANSPORT_SECURITY, UNSAFE_BASIC_AUTH, UNSAFE_SESSION_SETTING
	522	Insufficiently Protected Credentials	STRICT_TRANSPORT_SECURITY
	523	Unprotected Transport of Credentials	STRICT_TRANSPORT_SECURITY
	1028	Broken Authentication	SENSITIVE_DATA_LEAK, WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure	295	Improper Certificate Validation	BAD_CERT_VERIFICATION
	311	Missing Encryption of Sensitive Data	HARDCODED_CREDENTIALS, INSECURE_COOKIE, STRICT_TRANSPORT_SECURITY, UNSAFE_SESSION_SETTING
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS
	319	Cleartext Transmission of Sensitive Information	STRICT_TRANSPORT_SECURITY
	320	Key Management Errors	UNSAFE_SESSION_SETTING
	327	Use of a Broken or Risky Cryptographic Algorithm	RAILS_DEVISE_CONFIG, WEAK_PASSWORD_HASH
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION, RUBY_VULNERABLE_LIBRARY
	284	Improper Access Control	BAD_CERT_VERIFICATION, HARDCODED_CREDENTIALS, INSECURE_COOKIE, INSECURE_DIRECT_OBJECT_REFERENCE, RAILS_DEFAULT_ROUTES, RAILS_DEVISE_CONFIG, RAILS_MISSING_FILTER_ACTION, RUBY_VULNERABLE_LIBRARY, STRICT_TRANSPORT_SECURITY, UNSAFE_BASIC_AUTH, UNSAFE_SESSION_SETTING
	285	Improper Authorization	INSECURE_COOKIE, INSECURE_DIRECT_OBJECT_REFERENCE, RAILS_DEFAULT_ROUTES, RAILS_MISSING_FILTER_ACTION, UNSAFE_SESSION_SETTING
	639	Authorization Bypass Through User-Controlled Key	INSECURE_DIRECT_OBJECT_REFERENCE
A6: Security Misconfiguration	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	RUBY_VULNERABLE_LIBRARY, TEMPLATE_INJECTION, UNESCAPED_HTML, XSS

A8: Insecure Deserialization	502	Deserialization of Untrusted Data	COOKIE_SERIALIZER_CONFIG, RUBY_VULNERABLE_LIBRARY, UNSAFE_DESERIALIZATION
A9: Using Components with Known Vulnerabilities	1035	Using Components With Known Vulnerabilities	RUBY_VULNERABLE_LIBRARY

VB.NET

Coverity Version 2021.03 - VB.NET			
Category	CWE	Description	Coverity Checker
A1: Injection	77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	OS_CMD_INJECTION
	88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	HEADER_INJECTION, OS_CMD_INJECTION
	89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	SQLI, SQL_NOT_CONSTANT
	90	Improper Neutralization of Special Elements used in an LDAP Query ('LDAP Injection')	LDAP_INJECTION, LDAP_NOT_CONSTANT
	91	XML Injection (aka Blind XPath Injection)	XML_INJECTION, XPATH_INJECTION
	943	Improper Neutralization of Special Elements in Data Query Logic	LDAP_INJECTION, LDAP_NOT_CONSTANT, SQLI, SQL_NOT_CONSTANT, XPATH_INJECTION
	1027	Injection	REGEX_INJECTION, SCRIPT_CODE_INJECTION
A2: Broken Authentication	287	Improper Authentication	HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, MISSING_AUTHZ, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	256	Unprotected Storage of Credentials	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	522	Insufficiently Protected Credentials	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	523	Unprotected Transport of Credentials	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1028	Broken Authentication	WEAK_PASSWORD_HASH
A3: Sensitive Data Exposure (cont. on next page)	311	Missing Encryption of Sensitive Data	HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	312	Cleartext Storage of Sensitive Information	HARDCODED_CREDENTIALS, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	319	Cleartext Transmission of Sensitive Information	INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA

A3: Sensitive Data Exposure (cont.)	320	Key Management Errors	HARDCODED_CREDENTIALS
	326	Inadequate Encryption Strength	RISKY_CRYPTO
	327	Use of a Broken or Risky Cryptographic Algorithm	RISKY_CRYPTO, WEAK_PASSWORD_HASH
	328	Reversible One-Way Hash	RISKY_CRYPTO
	359	Exposure of Private Personal Information to an Unauthorized Actor	SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	1029	Sensitive Data Exposure	ASPNET_MVC_VERSION_HEADER, CONFIG.DYNAMIC_DATA_HTML_COMMENT
A4: XML External Entity	611	Improper Restriction of XML External Entity Reference	XML_EXTERNAL_ENTITY
	776	Improper Restriction of Recursive Entity References in DTDs ('XML Entity Expansion')	XML_EXTERNAL_ENTITY
A5: Broken Access Control	22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	PATH_MANIPULATION
	284	Improper Access Control	HARDCODED_CREDENTIALS, INSECURE_COMMUNICATION, MISSING_AUTHZ, RISKY_CRYPTO, SENSITIVE_DATA_LEAK, SQLI, SQL_NOT_CONSTANT, UNENCRYPTED_SENSITIVE_DATA
	285	Improper Authorization	MISSING_AUTHZ, SQLI, SQL_NOT_CONSTANT
	639	Authorization Bypass Through User-Controlled Key	SQLI, SQL_NOT_CONSTANT
A6: Security Misconfiguration	16	Configuration	CONFIG.MISSING_CUSTOM_ERROR_PAGE, INSECURE_COMMUNICATION, SENSITIVE_DATA_LEAK, UNENCRYPTED_SENSITIVE_DATA
	209	Generation of Error Message Containing Sensitive Information	SENSITIVE_DATA_LEAK
A7: Cross-Site Scripting (XSS)	79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	XSS
A8: Insecure Deserialization	502	Deserialization of Untrusted Data	UNSAFE_DESERIALIZATION
A10: Insufficient Logging & Monitoring	223	Omission of Security-relevant Information	UNLOGGED_SECURITY_EXCEPTION
	778	Insufficient Logging	UNLOGGED_SECURITY_EXCEPTION

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